



410 CLEAR POLYPROPYLENE OVERLAMINATE

Product Technical Information

Features and Applications

- Excellent acid, chemical, oil and scuff resistance.
- General purpose label protection.
- Ideal for milk jug, battery and water bottle applications.

Physical Properties

Film	0.75 mil Clear Biaxially Oriented Polypropylene (BOPP)
Adhesive	0.3 mil High Grade Clear Emulsion Acrylic
Total Construction	1.05 mil +/- 10%

Typical Technical Values

	Value	Test Method
Film Elongation at Break	160% MD 60% TD	ASTM D882
Adhesion to Steel	13 oz/in 30 min conditioning 16 oz/in 24 hr conditioning	180° peel at 12 in/min 180° peel at 12 in/min
Unwind Adhesion	12 oz/in 30 min conditioning	180° peel at 12 in/min ASTM D3811/D3811M-96
Application Temperature Range	32°F to 150°F	
Service Temperature Range	0°F to 180°F	

Roll Tolerances

Roll Length	+/- 5%
Roll Width	+/- 0.0625 in (1/16 th in)

Storage and Handling

- Two years when stored at 70°F and 50% relative humidity.
- Rolls must be transported and stored on protected surfaces.
- Use caution when placing or removing roll from mandrel.

Regulatory Compliance

RoHS, RoHS2, REACH, TSCA, Toy Safety Standard ASTM F963, CEPA, CONEG, FDA 21CFR175.105, 21CFR177.1520(c) (1.1) & (3.1). California Proposition 65

Product Performance and Suitability: We believe the statements and information contained herein are accurate but are to be used only as general guidelines and are not warrants or guarantees. Because of the variety of possible uses, there is no warranty of fitness for a particular purpose. This product may not be suitable for use on metallic or dark reverse printed labels. The buyer must test the suitability for each intended application before using. acpo, Ltd. will not be liable for damages in excess of the purchase price of its products or for incidental or consequential damages. acpo, Ltd. warrants its products to be free from defects in material and workmanship. Should any failure to conform to this warranty appear within one year of the initial date of shipment, acpo, Ltd. shall, upon notification thereof and substantiation that the products have been stored and applied in accordance with acpo Ltd.'s standards, correct such defects by suitable repair or replacement without charge at acpo Ltd.'s plant or at the location of the products (at acpo Ltd.'s election); provided, however, if acpo, Ltd. determines that repair or replacement is not commercially practical, acpo, Ltd. shall issue a credit in favor of the buyer in an amount not to exceed the initial purchase price of the product from acpo, Ltd.